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**Notice of Allowability**

Application No.

10/630,013

Applicant(s)

KAI ET AL.

Examiner

Benny Lee

Art Unit

2817

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 19 December 2005.
2. ☒ The allowed claim(s) is/are 1 and 7.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |                                                                                                                     |                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)                                                    | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>02/27/06</u> |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                                        |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                                  |
|                                                                                                                     | 9. <input type="checkbox"/> Other _____                                                                    |

**DETAILED ACTION**  
**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Hassan Shakir on 27 February 2006.

The application has been amended as follows:

**In the Specification:**

The following amendments pertain to the substitute specification filed 3 August 2005:

Page 8, line 22, --conventional-- has been inserted prior to "superconducting filter"; line 23, --conventional-- has been inserted prior to "electrical connections". Page 9, line 2, --conventional-- has been inserted prior to "low noise amplifier". In the replacement paragraph to page 17, line 14, 10<sup>th</sup> line therein, --in Fig. 11-- has been inserted after "time". In the replacement paragraph to page 18, line 18, third line therein, --(-- has been inserted prior to "see". In the replacement paragraph to page 20, line 17, 7<sup>th</sup> line therein, "Sf<sub>i</sub>" has been rewritten as --Sf<sub>L</sub>--; 11<sup>th</sup> line therein, "the" (second occurrence) has been deleted; 12<sup>th</sup> line therein, --there is no change in-- has been inserted prior to "detected" & "is normal" has been deleted; lines 13, 14, --and is abnormal-- has been inserted after the respective occurrence of "malfunctioned".

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**In the Claims:**

In claim 1, line 6, --characteristic-- has been inserted after "pass band".

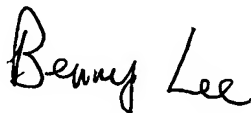
In claim 7, line 11, 14, --characteristic-- has been inserted after the respective occurrence of "pass band".

**Reasons for Allowance:**

Claims 1, 7 are allowable over the prior art of record since none of the prior art of record discloses the first and second pilot signal being input into the superconducting filter along with the antenna receive signal through the receive antenna as now recited in amend claim 1.

Similarly, none of the prior art of record discloses a first pilot signal being input into the superconducting filter together with a receive antenna signal while a second pilot signal is input into the low noise amplifier as recited in amended claim 7.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is 571 272 1764



B. Lee

BENNY T. LEE  
PRIMARY EXAMINER  
ART UNIT 2817